

Notice of Allowability	Application No.	Applicant(s)	
	10/695,049	JONES, DANIAL	
	Examiner	Art Unit	
	Troy Chambers	3641	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1, 2, 4-9, 17 and 19-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>02/17/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Craig Rogers on 02/16/06.

The application has been amended as follows:

Replace all previous versions of the claims with the following:

IN THE CLAIMS

1. (Currently Amended) A pneumatic assembly for a paintball gun, comprising:
a valve stem;
a bolt slidably mounted on the valve stem and having a bolt port arranged through a sidewall of the bolt; and
a sealing member arranged on the valve stem in communication with an inner surface of the bolt.
2. (Currently Amended) A pneumatic assembly according to claim 1, further comprising a plurality of bolt ports disposed through the sidewall of the bolt at a predetermined location along the bolt, wherein the plurality of bolt ports are configured to slide past the sealing member on the valve stem as the bolt transitions from an open position to a closed position.
3. (Cancelled)

Art Unit: 3641

4. (Previously Presented) A pneumatic assembly according to claim 1, further comprising a pneumatic piston slidably mounted in a cylinder, the cylinder configured to receive and apply compressed gas to the pneumatic piston to control movement of the pneumatic piston, wherein the bolt is coupled to the pneumatic piston, and wherein the bolt is configured to be closed by selectively supplying compressed gas to a rearward surface area of the piston.
5. (Currently Amended) A pneumatic assembly according to claim 1, further comprising a compressed gas storage area surrounding at least a portion of the bolt, wherein the compressed gas storage area is configured to receive a supply of compressed gas and to supply compressed gas directly to an interior of the bolt through the bolt port arranged through the sidewall of the bolt when the bolt is in a closed position.
6. (Previously Presented) A pneumatic assembly according to claim 5, wherein the compressed gas storage area is housed in a chamber body comprising an external indicator representing a volume of the compressed gas storage area.
7. (Previously Presented) A pneumatic assembly according to claim 6, wherein the external indicator is a color.
8. (Previously Presented) A pneumatic assembly according to claim 5, further comprising a plurality of interchangeable compressed gas storage chambers, each compressed gas storage chamber capable of providing the compressed gas storage area, and each compressed gas storage chamber having a different volume from the other compressed gas storage chambers.
9. (Previously Presented) A pneumatic assembly according to claim 8, wherein each compressed gas storage chamber comprises an indicator representing a volume thereof relative to the volumes of the other compressed gas storage chambers.

Art Unit: 3641

10. (Cancelled).

11. (Cancelled).

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Currently Amended) A paintball gun, comprising:

a body;

a compressed gas storage area arranged within the body;

a bolt slidably arranged within the body and configured to receive compressed gas directly from the compressed gas storage area through a bolt port arranged through a sidewall of the bolt and transmit the compressed gas into a breech area of the paintball gun; and

a sealing member arranged in a fixed position with respect to the body of the paintball gun, the sealing member further arranged in communication with a surface of the bolt, wherein the sealing member is arranged in communication with an internal surface of the bolt.

18. (Cancelled)

Art Unit: 3641

19. (Previously Presented) A paintball gun according to claim 17, wherein the bolt is slidably mounted on a valve stem and wherein the sealing member is arranged on a forward end of the valve stem.

20. (Previously Presented) A paintball gun according to claim 17, wherein the compressed gas storage area is configured to receive a substantially constant supply of compressed gas from a compressed gas source.

21. (Previously Presented) A paintball gun according to claim 17, wherein the sealing member is configured to prevent a forward end of the bolt from receiving compressed gas from the compressed gas storage area through the bolt port when the bolt is in an open position and to allow the forward end of the bolt to directly receive compressed gas from the compressed gas storage area through the bolt port when the bolt is in a closed position.

22. (Previously Presented) A paintball gun according to claim 1, wherein the sealing member is configured to prevent a forward end of the bolt from receiving compressed gas from a compressed gas storage area through a bolt port when the bolt is in an open position and to allow the forward end of the bolt to directly receive compressed gas from the compressed gas storage area through the bolt port when the bolt is in a closed position.

23. (New) A pneumatic assembly for a paintball gun, comprising:

a valve stem;

a bolt slidably mounted on the valve stem, said bolt having a plurality of bolt ports arranged through a sidewall of the bolt and a firing port arranged through a forward end of the bolt; and

a sealing member arranged on the valve stem in communication with an inner surface of the bolt, wherein when the bolt is in an open position the sealing member prevents communication between a compressed storage area and the firing port, and

when the bolt is in a closed position compressed gas is permitted to travel from the compressed gas storage chamber into the bolt through the plurality of bolt ports and out the firing port.

2. The following is an examiner's statement of reasons for allowance: The prior art does not anticipate or make obvious applicant's claimed invention. The closest prior art references are US 5613483 issued to Lukas and US 5778868 issued to Shepherd. With respect to claims 1 and 23, Lukas is not disclosed as being slidably mounted on a valve and Sheperd does not disclose a bolt having a bolt port on a sidewall. With respect to claim 17, Lukas does not disclose a sealing member arranged in communication with an internal surface of a bolt and Sheperd does not disclose bolt ports arranged through a sidewall.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Troy Chambers whose telephone number is 571-272-6874. The examiner can normally be reached on 8 a.m. - 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Carone can be reached on 703-308-5870. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3641

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Troy Chambers
Examiner
Art Unit 3641

~~02/16/05~~
02/17/06

Michael Chen
SPE 3641